

The diagram illustrates a chemical process system with the following components and flow streams:

- Components:**
  - Two distillation columns: 1 (left) and 11 (right).
  - Two heat exchangers: 4 (between columns 1 and 5) and 14 (between columns 11 and 18).
  - Two reboilers: 5 (for column 1) and 18 (for column 11).
  - Two condensers: 7 (for column 1) and 15 (for column 11).
  - A third heat exchanger 22 is located at the bottom right.
- Flow Streams:**
  - Stream 2 enters column 1 from the bottom.
  - Stream 3 enters column 1 from the side.
  - Stream 6 exits column 1 from the top.
  - Stream 8 is a main feed line that splits to enter columns 1 and 11.
  - Stream 9 exits the system from the top left.
  - Stream 10 is a side stream from column 1.
  - Stream 12 enters column 11 from the bottom.
  - Stream 13 enters column 11 from the side.
  - Stream 17 is a dashed stream from column 11 to heat exchanger 14.
  - Stream 15 exits column 11 from the top.
  - Stream 16 enters heat exchanger 22 from the bottom.
  - Stream 19 exits the system from the top right.
  - Stream 20 exits column 11 from the side.
  - Stream 21 exits the system from the top right.
  - Stream 23 exits column 11 from the side.
  - Stream 24 is a main feed line at the bottom that splits to enter columns 1 and 11.
  - Stream 25 exits the system from the bottom right.
  - Stream 26 enters column 11 from the bottom.



"Integrated Process For Preparing Dialkyl Carbonates With A Circulating Catalyst"

Family No. 2001B052

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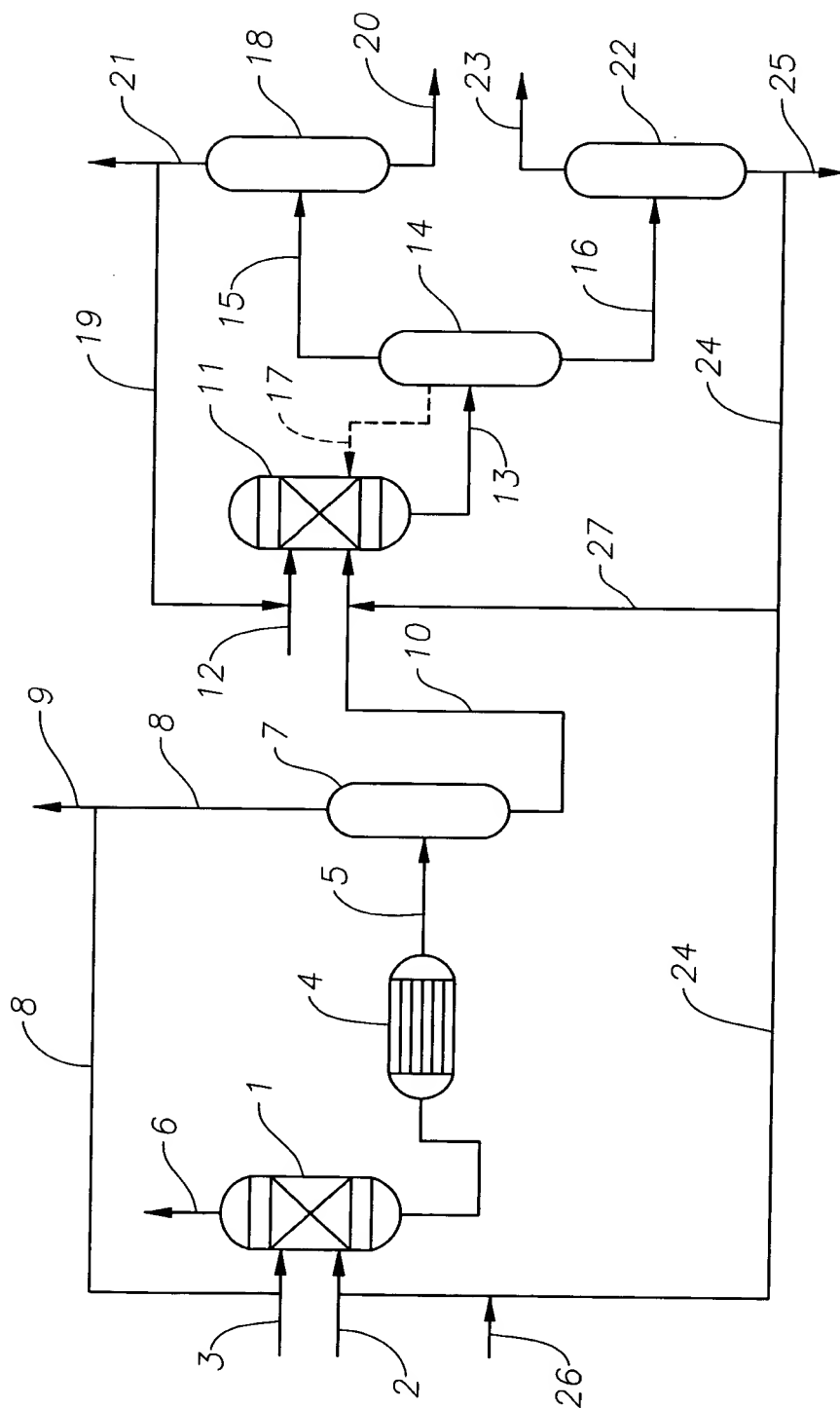


Fig. 2



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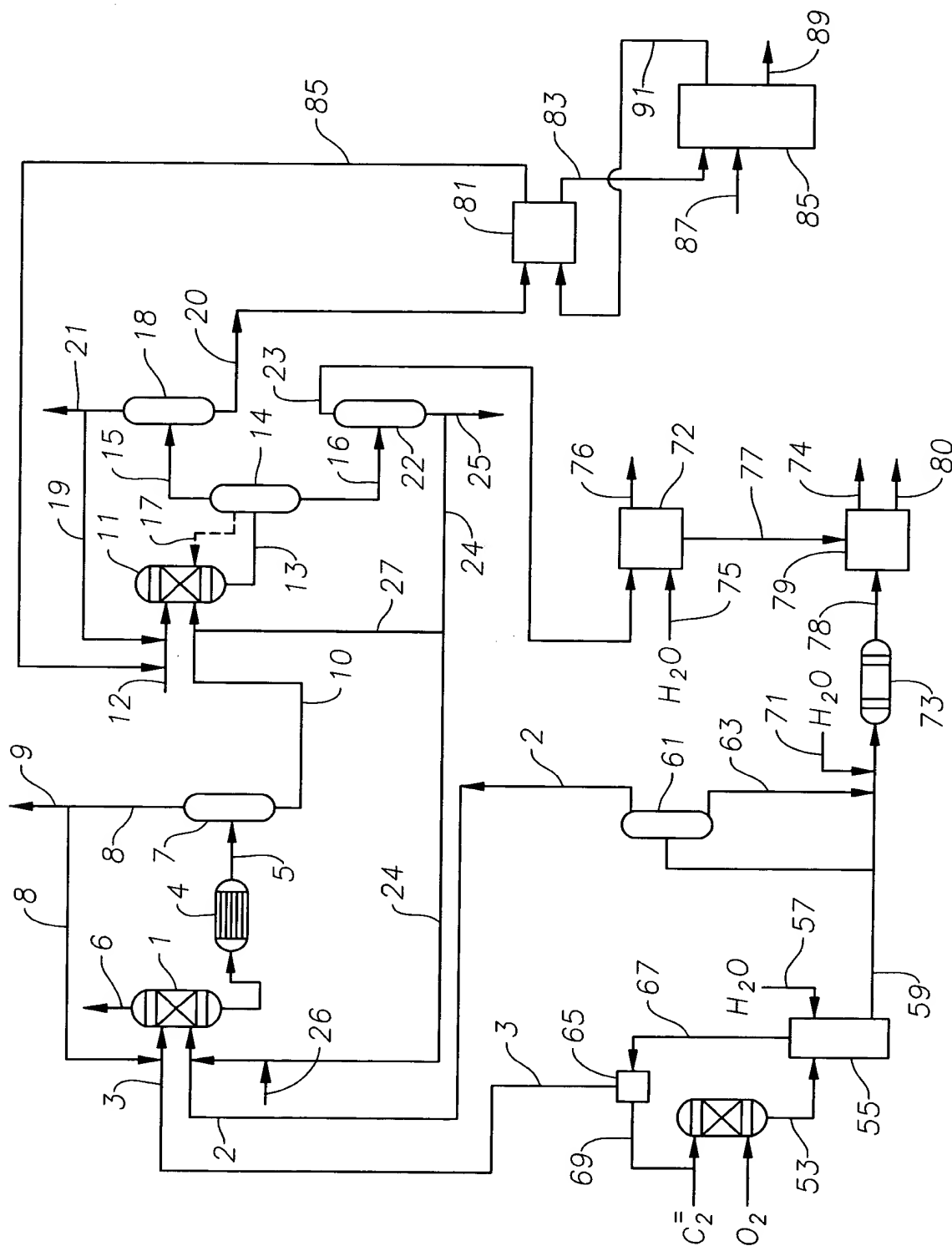


Fig. 3



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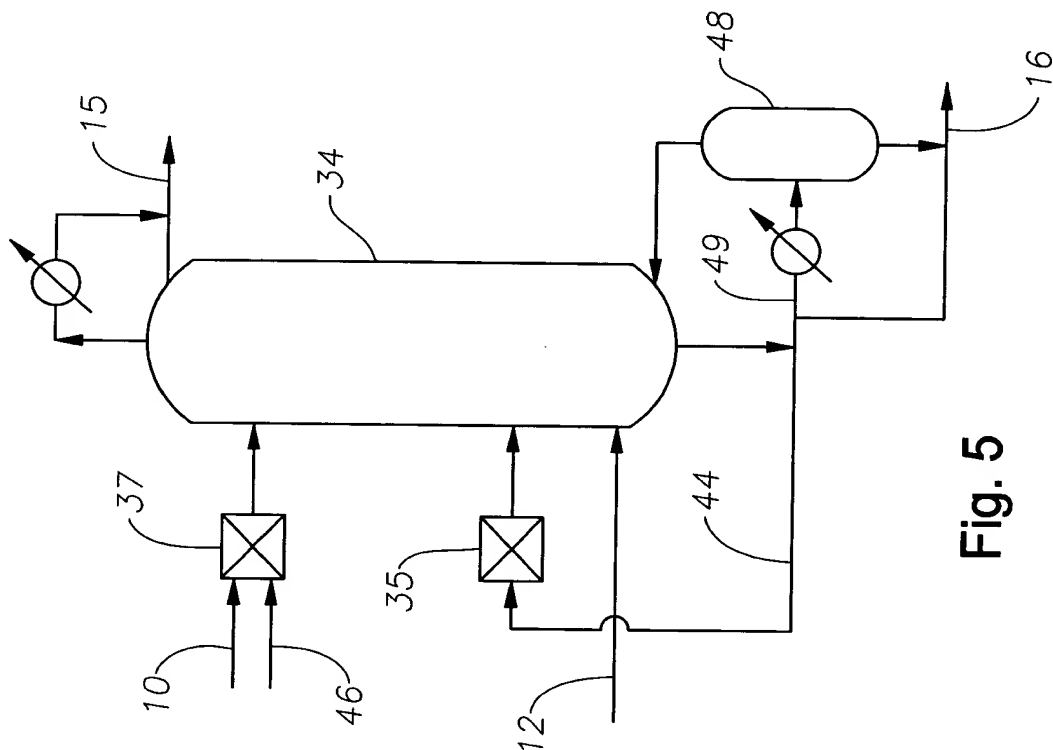


Fig. 5

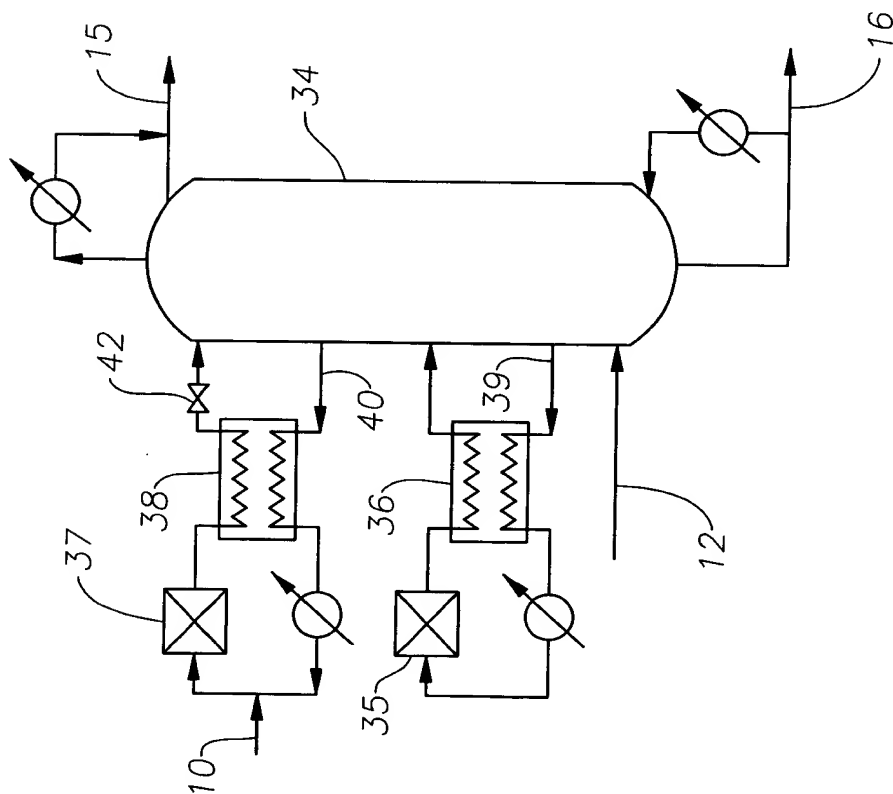


Fig. 4